

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

	Complete if Known
Application Number	10/723,688
Filing Date	2003-11-26
First Named Inventor	PETER GAAL
Art Unit	2617
Examiner Name	ELCENKO, ERIC J

Sheet	1	of	7	Attorney Docket No: 030153
--------------	----------	-----------	----------	-----------------------------------

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	001	US32905	07-23-1861	BARAN	
	002	US4392220	07-05-1983	HIROSAKI, et al.	
	003	US5442625	08-15-1995	GITLIN, et al.	
	004	US5504773	04-02-1996	PADOVANI, et al.	
	005	US5751725	05-12-1998	CHEN; Tao	
	006	US6289228	09-11-2001	ROTSTEIN, et al.	
	007	US6834047	12-21-2004	YOON, et al.	
	008	US4330857	05-18-1982	ALVAREZ; III Joseph A. et al.	
	009	US5299190	03-29-1994	LAMAI; Richard O. et al.	
	010	US5522013	05-28-1996	VANSKA; Marko.	
	011	US5533013	07-02-1996	LEPPANEN; Pentti.	
	012	US5703902	12-30-1997	ZIV; Noam Abraham. et al.	
	013	US5781583	07-14-1998	BRUCKERT; Eugene J. et al.	
	014	US5799010	08-25-1998	LOMP; Gary. et al.	
	015	US5859840	01-12-1999	TIEDEMANN; Jr. Edward G. et al.	
	016	US5946633	08-31-1999	MCALINDEN; Paul.	
	017	US5991279	11-23-1999	HAUGLI; Hans-Christian. et al.	
	018	US6005851	12-21-1999	CRADDOCK; Arthur Julian Patterson. et al.	
	019	US6005855	12-21-1999	ZEHAVI; Ephraim. et al.	

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/723,688
Filing Date	2003-11-26
First Named Inventor	PETER GAAL
Art Unit	2617
Examiner Name	ELCENKO, ERIC J

Sheet	2	of	7	Attorney Docket No: 030153
-------	---	----	---	----------------------------

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	020	US6108550	08-22-2000	WIOREK; Jonas. et al.	
	021	US6173005	01-09-2001	KOTZIN; Michael D. et al.	
	022	US6272124	08-07-2001	AHN; Jae-Min. et al.	
	023	US6317413	11-13-2001	HONKASALO; Zhi-Chun.	
	024	US6377809	04-23-2002	REZAIIFAR; Ramin. et al.	
	025	US6469993	10-22-2002	SEO; Chang Keun. et al.	
	026	US6473619	10-29-2002	KONG; Seung-Hyun. et al.	
	027	US6477157	11-05-2002	KIM; Dae-Gyun. et al.	
	028	US6519260	02-11-2003	GALYAS; Peter. et al.	
	029	US6542481	04-01-2003	FOORE; Lawrence R. et al.	
	030	US6552996	04-22-2003	KIM; Younglok. et al.	
	031	US6675016	01-06-2004	LUCIDARME; Thierry. et al.	
	032	US6700881	03-02-2004	KONG; Seung-Hyun. et al.	
	033	US6707804	03-16-2004	PROCTOR; Jr. James A.	
	034	US6768728	07-27-2004	KIM; Young-Ky. et al.	
	035	US6804521	10-12-2004	TONG; Wen. et al.	
	036	US6850514	02-01-2005	DICK; Stephen G. et al.	
	037	US6870824	03-22-2005	KIM; Young-Ky. et al.	
	038	US6917581	07-12-2005	PROCTOR; Jr. James A. et al.	
	039	US6930981	08-16-2005	GOPALAKRISHNAN; Nandu. et al.	

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1480, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1480, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known Application Number 10/723,688 Filing Date 2003-11-26 First Named Inventor PETER GAAL Art Unit 2617 Examiner Name ELCENKO, ERIC J	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)					
Sheet	3	of	7	Attorney Docket No: 030153	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	040	US6975666	12-13-2005	AFFES; Sofiene. et al.	
	041	US6996056	02-07-2006	CHHEDA; Ashvin H. et al.	
	042	US6996069	02-07-2006	WILLENEGGER; Serge.	
	043	US6996075	02-07-2006	SANTHOFF; John H. et al.	
	044	US7031741	04-18-2006	LEE; Young Jo. et al.	
	045	US7058038	06-06-2006	YI; Seung June. et al.	
	046	US7130284	10-31-2006	LEE; Kyung-Ha. et al.	
	047	US7167460	01-23-2007	ZEHAVI; Ephraim. et al.	
	048	US7218617	05-15-2007	USUDA; Masafumi. et al.	
	049	US7254397	08-07-2007	TIEDEMANN; Jr. Edward G. et al.	
	050	US7319690	01-15-2008	WU; Shiquan. et al.	
	051	US7349375	03-25-2008	GERAKOULIS; Diakoumis Parlssis.	
	052	US7352796	04-01-2008	VON DER EMBSE; Urbain Alfred.	
	053	US7356022	04-08-2008	TAKANO, et al.	
	054	US7599440	10-06-2009	WON; Seung-Hwan. et al.	
	055	US6963540	11-08-2005	CHOI, et al.	
	056	US20010006515	07-05-2001	LEE, Kyung-Ha ; et al.	
	057	US20010024482	09-21-2001	TIEDEMANN, EDWARD G. JR. ; et al.	
	058	US20020097697	07-25-2002	BAE, Sang-Min ; et al.	

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete if Known</i> Application Number 10/723,688 Filing Date 2003-11-26 First Named Inventor PETER GAAL Art Unit 2617 Examiner Name ELCENKO, ERIC J	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>					
Sheet	4	of	7	Attorney Docket No: 030153	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	059	US20020110101	08-15-2002	GOPALAKRISHNAN, Nandu ; et al.	
	060	US20020122398	09-05-2002	JOU, Yu-Cheun	
	061	US20020141367	10-03-2002	HWANG, Sung-Oh ; et al.	
	062	US20030078010	04-24-2003	DAVIS, Brad	
	063	US20030114162	06-19-2003	CHHEDA, Ashvin H. ; et al.	
	064	US20050084112	04-21-2005	KIM, Jae-Yoel ; et al.	
	065	US20010012301	08-09-2001	Yi; Seung June. et al.	
	066	US20010021169	09-13-2001	KIM; Dae Sik.	
	067	US20010053140	12-20-2001	CHOI; Sung-Ho. et al.	
	068	US20020021692	02-21-2002	HUH; Hoon. et al.	
	069	US20020067692	06-06-2002	YUN; Yu-Suk. et al.	
	070	US20020160781	10-31-2002	BARK; Gunnar. et al.	
	071	US20020196867	12-26-2002	YOON; Seong-Il.	
	072	US20030063583	04-03-2003	PADOVANI; ROBERTO. et al.	
	073	US20030067964	04-10-2003	LI; Daoben.	
	074	US20030161286	08-28-2003	LI; Daoben.	
	075	US20050050427	03-03-2005	JEONG; Gibong. et al.	
	076	US20050164663	07-28-2005	SANTHOFF; John H. et al.	
	077	US20060209674	09-21-2006	CHEN; Xixian.; et al.	

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known Application Number 10/723,688 Filing Date 2003-11-26 First Named Inventor PETER GAAL Art Unit 2617 Examiner Name ELCENKO, ERIC J	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Attorney Docket No: 030153	
Sheet	5	of	7		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ² -Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
	078	WO02035735A2	05-02-2002	NORTEL NETWORKS LTD [CA]		<input type="checkbox"/>
	079	EP1035677A1	09-13-2000	LUCENT TECHNOLOGIES INC [US].		<input type="checkbox"/>
	080	EP1061680A1	12-20-2000	CIT ALCATEL [FR].		<input type="checkbox"/>
	081	JP11502690T	03-02-1999	Motorola, Inc.		<input type="checkbox"/>
	082	JP2001517049T	10-02-2001	QUALCOMM INC.		<input type="checkbox"/>
	083	WO0033589A1	06-08-2000	NOKIA NETWORKS OY [FI]. et al.		<input type="checkbox"/>
	084	WO0042723A1	07-20-2000	MOTOROLA INC [US].		<input type="checkbox"/>
	085	WO0054443A1	09-14-2000	LUCENT TECHNOLOGIES INC [US]. et al.		<input type="checkbox"/>
	086	WO0135550A1	05-17-2001	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
	087	WO0169952A1	09-20-2001	NORTEL NETWORKS LTD [CA]. et al.		<input type="checkbox"/>
	088	WO9746044A1	12-04-1997	QUALCOMM INC [US].		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known Application Number 10/723,688 Filing Date 2003-11-26 First Named Inventor PETER GAAL Art Unit 2617 Examiner Name ELCENKO, ERIC J	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)					
Sheet	6	of	7	Attorney Docket No: 030153	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T2
	089	3GPP TS 25.211 V3.7.0 (2001-06), 3rd Generation Partnership Project Technical Specification Group Radio Access Network Physical Channels and Mapping of Transport Channels onto Physical Channels (FDD), pp. 1-45, XP0002902457.			
	090	BAIER, "Open multi-rate radio interface architecture based on CDMA" 12 October 1993, Universal Personal Communications, 1993. Personal Communications: Gateway to the 21st Century. Conference Record. 2nd International Conference on Ottawa, Ont., Canada 12.			
	091	International Search Report and Written Opinion - PCT/US04/39686 - International Search Authority - European Patent Office - 04-06-05 (030153).			
	092	Internet Protocol, DARPA Internet Protocol Specification, September 1981.			

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. * Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.57 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.